



Automatic Level

Nothing else measures up!



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Code: 750550 - 750590

Operating Instructions

20x, 26x & 32x Automatic Level

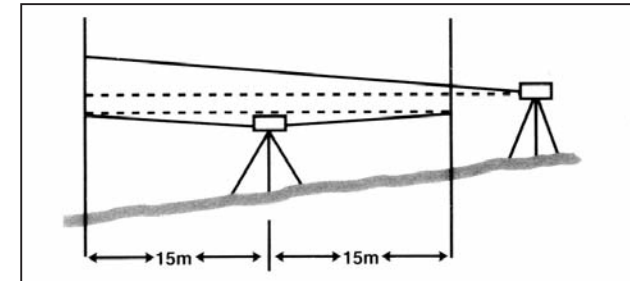


**The ideal automatic level for
Builders - Contractors - Landscapers - Architects - Surveyors - Engineers**

Automatic Level Operating Instructions

- 1) Remove Instrument from container and fasten to tripod with central mounting screw.
- 2) Centre circular bubble by adjusting the three foot screws
- 3) Turn telescope towards a light coloured background and turn eyepiece until cross hairs appear black and distinct.
- 4) Turn focusing knob located on right side of telescope in order to focus telescope on target, the focusing unit has a fine and coarse control.
- 5) For distance measurement using the levelling staff, multiply by 100 the difference between the reading of the top of the two small crosshairs (stadia) and the reading of the lower of the small crosshairs.
- 6) Checking the circular bubble. Level instrument (as in 2). Rotate instrument 180. Ensure bubble always centres, if not, remove one half of deviation using footscrews and half by utilising both adjustment screws on bubble.
- 7) Checking line of sight. (figure 1)

- a) Set up level between two levelling staves about 30m apart. Read staves in each direction and note height difference.
- b) Set up level near one of the staves (approx 1m) and read both staves noting height difference. (If adjustment is correct, height difference should be same as in a) above.



Specification

- Nitrogen filled to prevent telescope condensation.
- Optical sight for fast alignment to the target object.
- Three foot screw instrument levelling.
- Bubble reading prism at eye level for convenient checking.
- Robust metal housing for protection against damage.
- 20x 26x & 32x Magnification.
- Accuracy 2.5mm 2mm & 1.5mm for 1km double run levelling.
- Minimum focussing distance: 500mm.
- Friction braked rotation.
- Endless horizontal drive knobs each side.
- Stadia hairs for distance measuring
- 360° degree horizontal circle.
- Fits on any standard 5/8" tripod, flat or domed head.
- Orange finish provides instant visibility.

Technical data	Level Mark 20	Level Mark 26	Level Mark 32
Accuracy	±2.5mm	±2.0mm	±1.5mm
Telescope Magnification	20 x	26 x	32 x
Objective Aperture	35mm	40mm	40mm
Field of View at 100m		0.5m	
Shortest Focussing Distance		±15'	
Working Range of Compensator		±0.5"	
Levelling Accuracy		8 Per:mm	
Circular Level		360°	
Horizontal Circle		1°	
Direct Reading		10'	
Estimation		2.0kg	
Weight		Yes	
Carrying Case		Yes	
Operating Instructions			

Automatic Levels And Outfits

York Survey Supply Centre offers a range of automatic levels suitable for use in general building applications through to precision levelling for surveying and engineering projects
Please call for further details

